

ABSTRACT

An automated optimization system for generating training plans for airline pilots covering
5 both pilot transitions and assignment to training classes for pilots who have received a system bid
award, wherein such training plans are generated in less than one hour by first solving a MIP Model
of the training/transition problem with an LP relaxation to determine a first level of feasibility, and
then solving the MIP Model for an optimized feasible solution from which the training plan is
derived.

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